

Results for the 10'x40' circular tank with ramp:

Circular tank:

Tank Diameter = 40 ft

Tank Wall thickness = 8 in (actual)

Tank Height = 10 ft

$f_y = 60,000$ psi

$f'_c = 4,000$ psi

Horizontal Steel = #4 rebar		
Bar #	Spacing (in)	Distance from finished floor (ft - in)
1	3	0' 3"
2	12	1' 3"
3	12	2' 3"
4	12	3' 3"
5	12	4' 3"
6	12	5' 3"
7	12	6' 3"
8	12	7' 3"
9	12	8' 3"
10	12	9' 3"
11	6	9' 9"

Vertical Steel shall be #4 @ 12" O.C.


Dowels "L" bars shall be #4 @ 12" O.C. with a horizontal leg of 6" and a vertical leg of 26"

In the tank wall, at the notch for the ramp add:

3-#6 bars x 9'-10" long @ 4" O.C. vertically.

3-#6 bars x 20' long @ 4" O.C. horizontally.

4-#6 bars x 6' long @ 4" O.C. at a 45 degree angle.

 Natural Resources Conservation Services United States Department of Agriculture	<u> </u> County, PA ROUND TANK W/RAMP DETAIL Page 6.10	Designed <u>PA NRCS</u> <u>12/01</u>
		Drawn <u>Hartz</u> <u>2/1/08</u>
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